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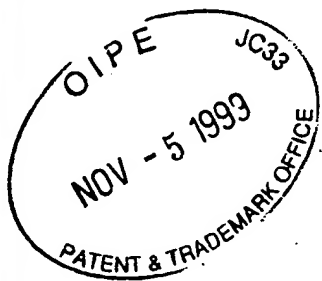
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US #12
51897 4/15/99
C. Style
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The United States of America

The Commissioner of Patents and Trademarks

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person or persons having title to this patent the right to exclude others from making, using or selling the invention throughout the United States of America for the term of seventeen years from the date of this patent, subject to the payment of maintenance fees as provided by law.

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Michael R. Kirk

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NOTICE

If the application for this patent was filed on or after December 12, 1980, maintenance fees are due three years and six months, seven years and six months, and eleven years and six months after the date of this grant, or within a grace period of six months thereafter upon payment of a surcharge as provided by law. The amount, number, and timing of the maintenance fees required may be changed by law or regulation. Unless payment of the applicable maintenance fee is received in the Patent and Trademark Office on or before the date the fee is due or within a grace period of six months thereafter, the patent will expire as of the end of such grace period.

United States Patent [19]

Grell et al.

US005216167A

[11] Patent Number: 5,216,167

[45] Date of Patent: * Jun. 1, 1993

[54] PHENYLACETIC ACID BENZYLAMIDES

[75] Inventors: Wolfgang Grell; Rudolf Hurnaus, both of Biberach; Gerhart Griss, deceased, late of Biberach, by Elisabeth Griss, executrix; Robert Sauter, Laupheim; Manfred Reiffen, Biberach; Eckhard Rupprecht, Aulendorf-Tannhausen, all of Fed. Rep. of Germany

[73] Assignee: Dr. Karl Thomae GmbH, Biberach an der Riss, Fed. Rep. of Germany

[*] Notice: The portion of the term of this patent subsequent to Oct. 10, 2006 has been disclaimed.

[21] Appl. No.: 495,820

[22] Filed: Jun. 21, 1990

Related U.S. Application Data

[63] Continuation of Ser. No. 302,022, Jan. 25, 1989, abandoned, and a continuation-in-part of Ser. No. 878,921, Jun. 26, 1986, abandoned, and a continuation-in-part of Ser. No. 872,706, Jun. 10, 1986, abandoned, which is a continuation-in-part of Ser. No. 684,054, Dec. 10, 1984, abandoned.

[30] Foreign Application Priority Data

Dec. 30, 1983 [DE] Fed. Rep. of Germany 3347565
Jun. 25, 1985 [DE] Fed. Rep. of Germany 3522604
Jul. 1, 1985 [DE] Fed. Rep. of Germany 3523466

[51] Int. Cl.⁵ C07D 211/32; C07D 207/08; A61K 31/445; A61K 31/40

[52] U.S. Cl. 546/234; 540/609; 546/214; 548/517; 548/568; 549/414; 549/415; 549/426; 549/427; 549/473; 549/496; 558/414; 564/168; 514/212; 514/326; 514/331; 514/422; 514/429; 514/450; 514/461; 514/522; 514/619
[58] Field of Search 546/234, 214; 514/331; 548/517, 568; 564/168

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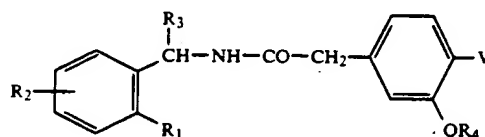
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[57] ABSTRACT

Phenylacetic acid benzylamides having the following general structure



wherein the substituents are defined herein, are disclosed, which compounds are hypoglycemic agents.

15 Claims, 12 Drawing Sheets

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